User Definable Gestures for Motion Controlled Handheld Devices Inventors: David L. Marvit et al. Attorney Docket No. 073338.0196 Filed: March 23, 2004 Sheet 1 of 11

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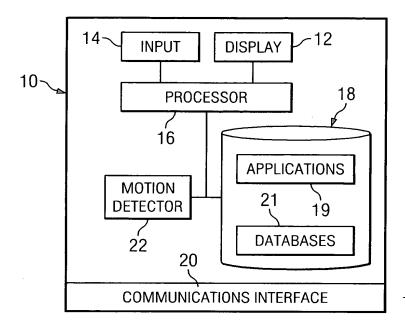
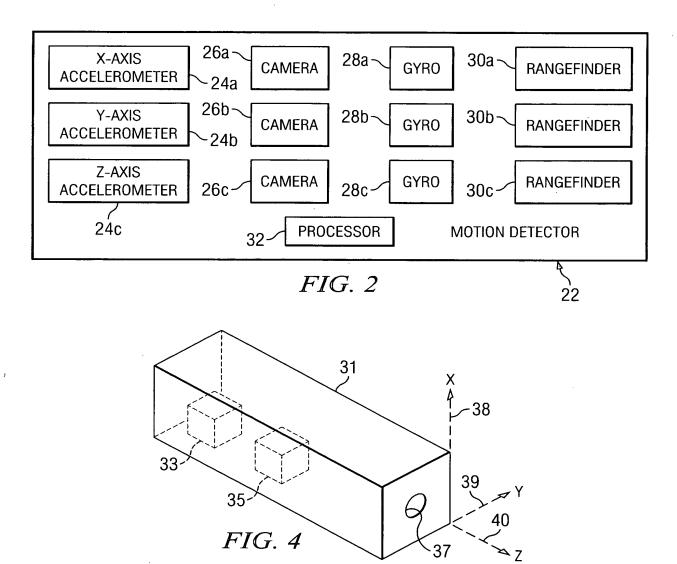
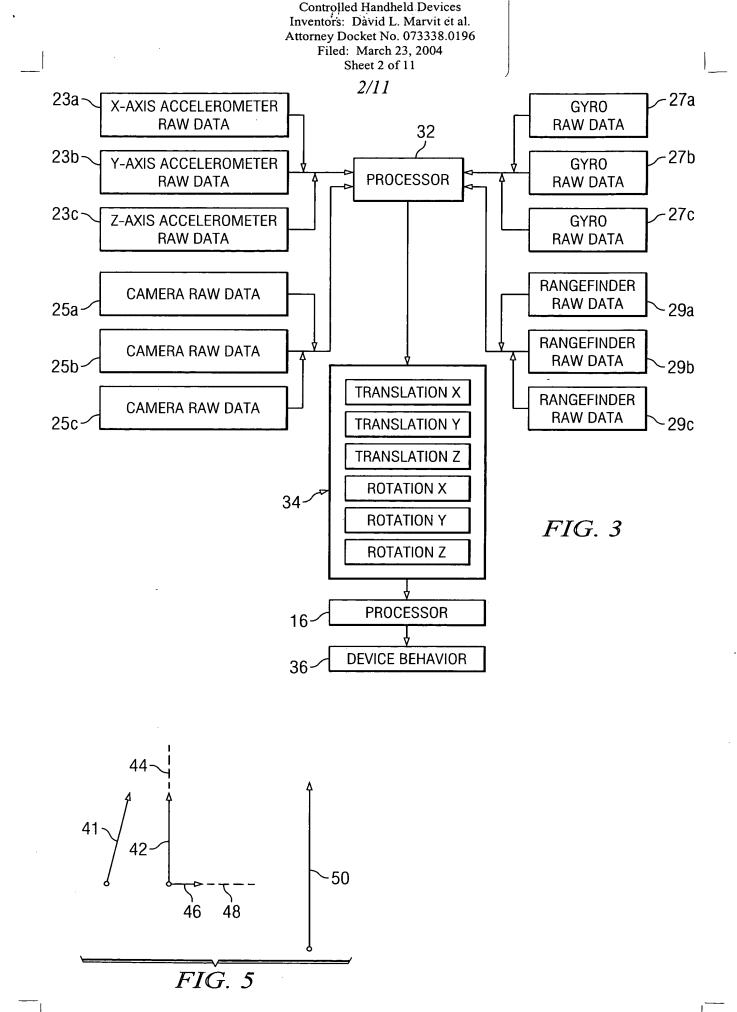


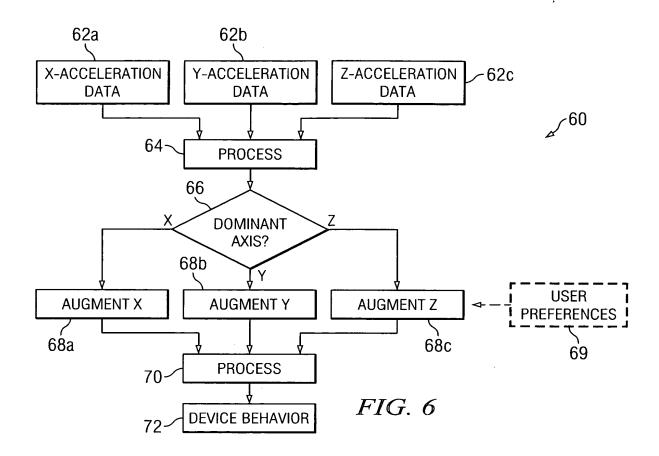
FIG. 1

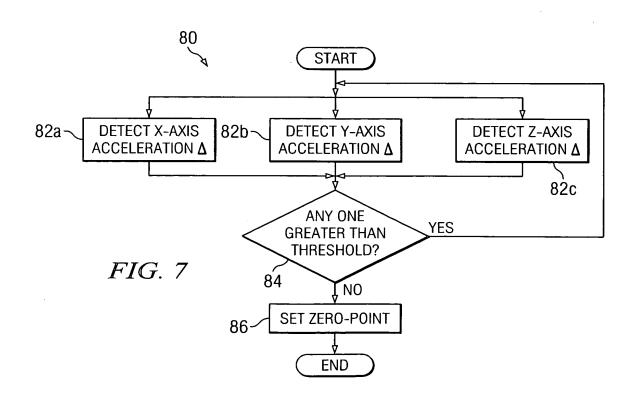




User Definable Gestures for Motion

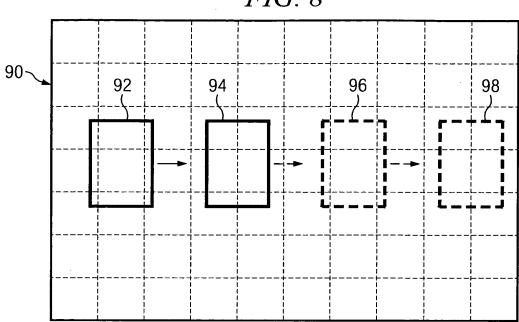
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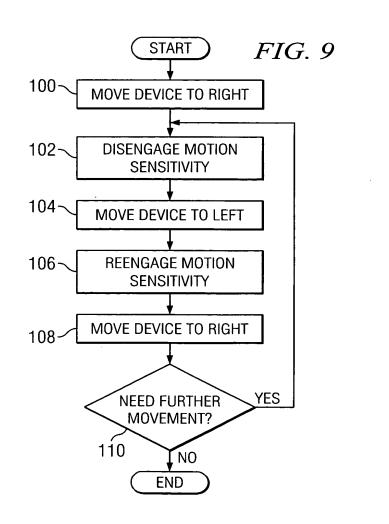




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FIG. 8





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User Definable Gestures for Motion Controlled Handheld Devices

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В8

B2g

B9

B2h

B2i

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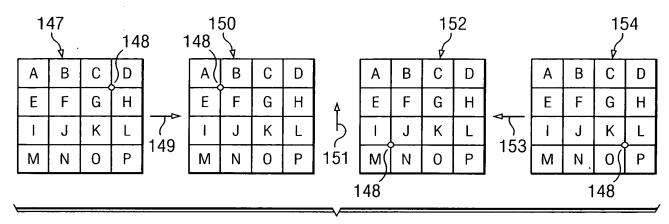
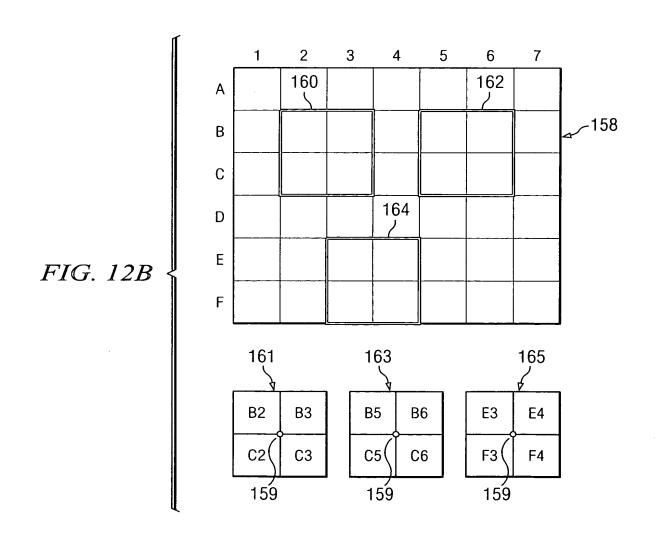
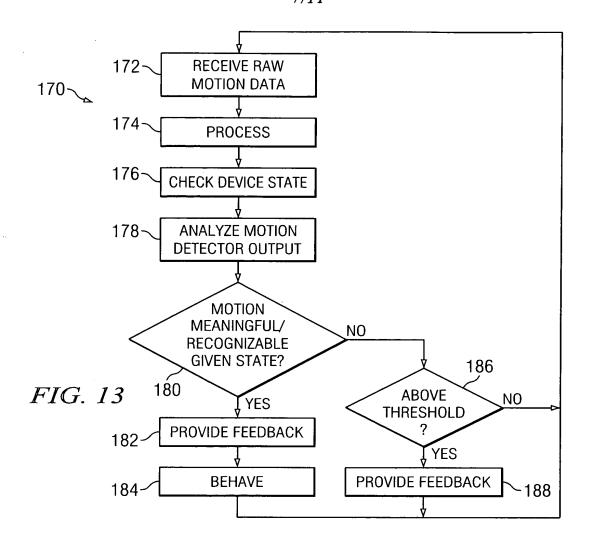
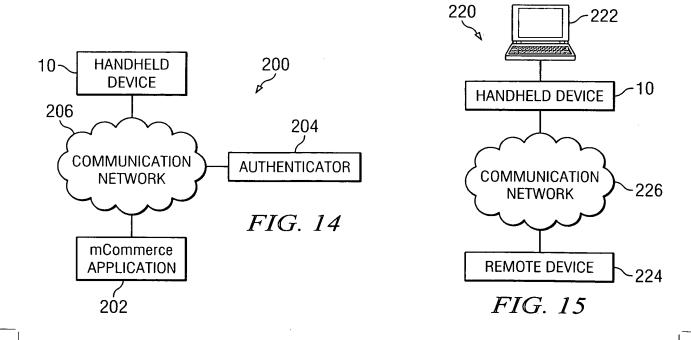


FIG. 12A

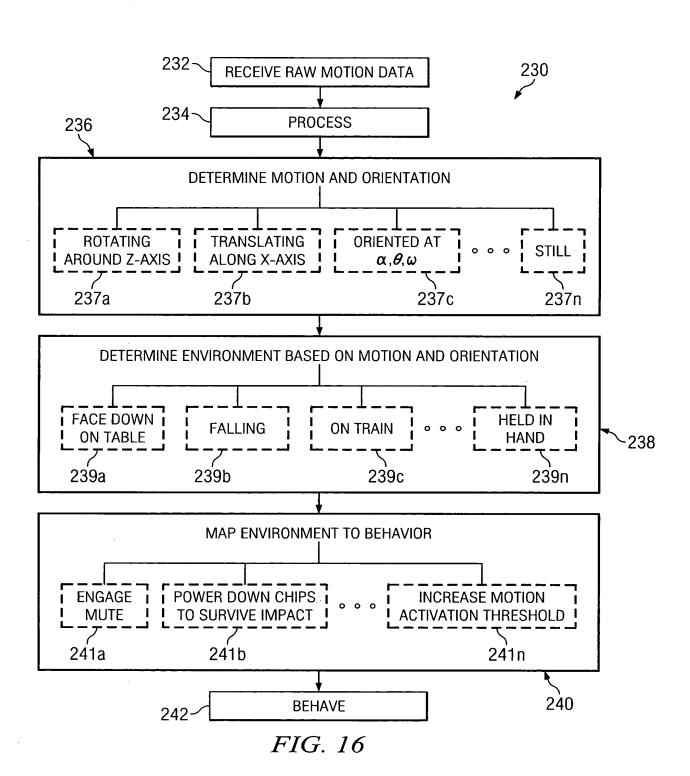


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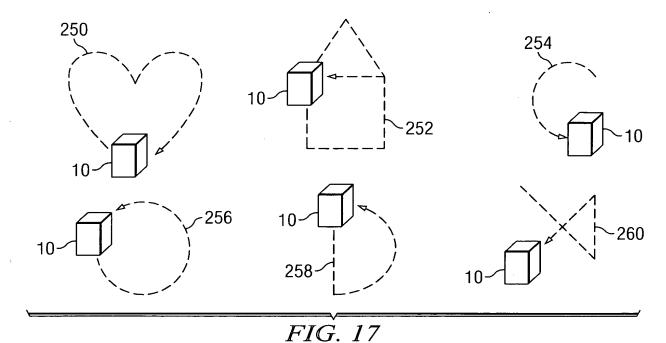


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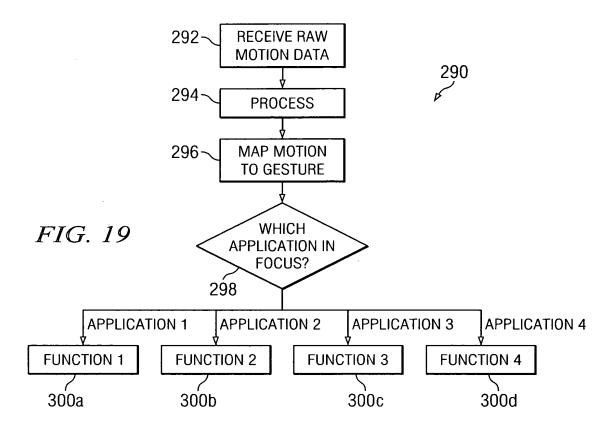
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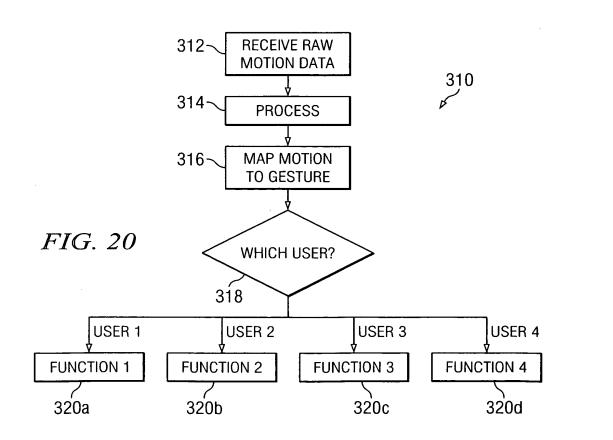
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330 270 RECEIVE USER **INDICATION** -332 272-REGARDING **GESTURE CREATION RECEIVE RAW** -334 **MOTION DATA RECEIVE RAW** 274~ **MOTION DATA** -336 **PROCESS** 276-**PROCESS** 280 STORE MOTION 338 AS GESTURE 278-MAP MOTION **GESTURE** TO GESTURE DATABASE **RECEIVE** "0" **FUNCTION MAPPING** 340 **INFORMATION** MAP GESTURE **FUNCTION** TO FUNCTION 282-**DATABASE STORE FUNCTION MAPPING** 342 284 **BEHAVE INFORMATION** 286-FIG. 18 FIG. 21

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